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## CATALOGUE OF THE TAXA OF *LUCIDELLA* (PROSOBRANCHIA: HELICINIDAE)

By KENNETH J. BOSS AND MORRIS K. JACOBSON

This catalogue was initiated during the preparation of our taxonomic revision of the species of the genus *Lucidella* which inhabit the island of Cuba (see preceding paper, Boss and Jacobson, 1974, Occ. Papers Moll., no. 48). So much information was collected on nominal species of *Lucidella* that we thought it was worthwhile to make it available. The catalogue includes: 1) generic, subgeneric, specific and subspecific nomina as originally introduced; 2) the original citation with date; 3) the type-locality; 4) and the whereabouts of type-specimens, if found. In some cases we have also provided references of later date if they present a figure of the taxon.

### ACKNOWLEDGMENTS

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Miss S. M. Wells, British Museum (Natural History), London. Dr. R. D. Turner and Mr. R. I. Johnson reviewed the manuscript.

#### ABBREVIATIONS

- ANSP — Academy of Natural Sciences, Philadelphia  
 BMNH — British Museum (Natural History), London  
 IZW — Instytut Zoologiczny Warszawa, Poland  
 MCZ — Museum of Comparative Zoology, Cambridge, Massachusetts  
 NMB — Naturhistorisches Museum, Bern, Switzerland  
 USNM — United States National Museum of Natural History, Washington  
 SMF — Senckenbergische Naturforschende Gesellschaft, Frankfurt, West Germany.

**abbotti** Vanatta, **Helicina**, 1920. Proc. Acad. Nat. Sci. Phila. 72: 205, pl. 6, fig. 12, 14 (1 mi NW of Sanchez, Santo Domingo, Hayti Id. [*sic*], [Hispaniola]; type, ANSP 44370a).

**adamsiana** Pfeiffer, **Helicina**, 1848. Proc. Zool. Soc. London, p. 119 (Jamaica; type, destroyed; Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 344, pl. 68, figs. 18–20). NOTE: type-species of *Urichia* Guppy 1895.

**areola** (Férussac) Petit de la Saussaye, **Helix**, 1851. Jour. de Conch. 2: 86, pl. 1, fig. 10, error for **aureola** Férussac.

**aureola** Férussac, **Helix**, 1822. Histoire naturelle général et particulière des mollusques terrestres et fluviatiles, cover of livraison 17 (see: Kennard, 1942), pl. 48, fig. 1; assigned to the subgenus **Helicodonta** in Tableaux systématiques des animaux mollusques . . . Prodrôme Général . . . Tableau systématique de la famille des Limaçons, no. 90, p. 33 (La Martinique).

**barbadensis** Pfeiffer, **Helicina**, 1853. Proc. Zool. Soc. London, p. 60 (Barbadoes; type, destroyed).

**beatensis** Bartsch, **Lucidella**, 1932. Proc. U.S. Nat. Mus.

- 81 (2929): 3, pl. 2, figs. 4-6 (Beata Is., Island of Haiti [Dominican Republic, Hispaniola]; type, USNM 403920).
- caymanensis** Pilsbry, **Lucidella**, 1930. Proc. Acad. Nat. Sci. Phila. 82: 230, pl. 15, figs. 1, 1a, 1b ( $1\frac{1}{2}$  mi S of North Side Area, Grand Cayman Id.; type, ANSP 150867).
- christophori** Pilsbry, **Helicina plicatula**, 1897. Nautilus 10: 118 (St. Kitts; type, ANSP 62062a). NOTE: type-species of *Poeniella* H. B. Baker 1923.
- cibaoensis** Crosse, **Helicina rugosa** var., 1891. Jour. de Conch. 39: 185 (Cibao, Santo Domingo, Hispaniola; type, lost); Pilsbry 1928. Proc. Acad. Nat. Sci. Phila. 80: 480 (neotype designated, ANSP 14796a, pl. 27, fig. 1 and 2; Puerto Plata, Santo Domingo, Hispaniola). NOTE: Crosse merely gave a name to var. B of Hjalmarson and Pfeiffer 1858, Malak. Blätt. 5: 145, var. of *rugosa*.
- conoidea** Pilsbry, **Lucidella (Poeniella)**, 1933. Proc. Acad. Nat. Sci. Phila. 85: 133, pl. 7, figs. 7, 7a (Del Monte Plantation, near Salvation, Santo Domingo, 3000 ft.; type, ANSP 160982).
- coronula** (Shuttleworth) Pfeiffer, **Helicina**, 1862. Malak. Blätt. 9: 155 (Jamaica; type, destroyed); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 345, pl. 68, fig. 21.
- costata** Simpson, **Lucidella**, 1894. Proc. U.S. Nat. Mus. 17: 449, pl. 16, fig. 6 (marl stratum of Miocene beds, Bowden, St. Thomas, Jamaica; type, USNM 115766).
- cruciata** Weinland, **Helicina**, 1880. Jahrb. Malak. Gesell. 7: 351, pl. 12, fig. 7 (Port au Prince, Haiti, Hispaniola; type, not located). NOTE: synonym of *paivana* Pfeiffer 1866.
- decussata** Boettger, **Helicina**, 1887. Jahrb. Malak. Gesell. 14: 102, pl. 4, fig. 8 (Miragoane, Haiti, [Hispaniola]; type, SMF 181169 a). NOTE: subspecies of *paivana* Pfeiffer 1866.
- denseplicata** Wagner, **Lucidella**, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 348, pl. 69, figs. 14-15 (St. Lucia, Lesser Antilles; syntypes, IZW 9100).

- depressa** Gray **Helicina**, 1825. Zoological Jour. 1: 69, pl. 6, fig. 14 (West Indies; holotype, BMNH 1874.99.8). NOTE: Type-species of *Poenia* H. and A. Adams 1856.
- euglypta** Crosse, **Helicina**, 1874. Jour. de Conch. 22: 119, 204, pl. 4, fig. 4 (near Fort-de-France, Martinique; type, not located). NOTE: Wagner (1910) cited this as a synonym of *plicatula* Pfeiffer 1848.
- foxi** Pilsbry, **Lucidella**, 1899. Nautilus 13: 56 (Cave at Port Antonio, Jamaica; type, ANSP 61848a); Wagner, 1910, [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 343, pl. 68, figs. 10–11.
- gonavensis** Pilsbry, **Lucidella (Poeniella)**, 1928. Proc. Acad. Nat. Sci. Phila. 80: 481, pl. 27, figs. 8–9 (Gonave Id., Haiti, Hispaniola; type, ANSP 146698).
- granulosa** C. B. Adams, **Lucidella aureola**, 1850. Contrib. Conch. no. 6: 89 (Jamaica; lectotype, MCZ 156170, Jacobson and Boss, 1973, p. 358, pl. 84, figs. 1–3).
- granulum** (Gundlach) Pfeiffer, **Helicina**, 1864. Malak. Blätt. 11: 161 (Monte Toro, district of Guantánamo, Oriente, [Cuba]; type, destroyed; neotype, ANSP 110769, designated and figured by Jacobson, 1973, p. 108, fig. 1).
- granum** Pfeiffer, **Helicina**, 1856. Novit. Conch. 1: 86, pl. 23, figs. 20–23; 1857. Malak. Blätt. 3: 49 (Holguín, Oriente, Cuba; type, destroyed; neotype, MCZ 73863, designated and figured, Boss and Jacobson, 1974, p. 11, pl. 1, figs. 1–3).
- holoserica** Wagner, **Lucidella**, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 350, pl. 69, figs. 16–19 (Barbadoes; syntypes, IZW 9101).
- ignicoma** Guppy, **Helicina**, 1868. Ann. Mag. Nat. Hist. (4) 1: 441 (Trinidad; type, not in the BMNH, probably lost in the fire of the Victoria Institute, Trinidad, in 1920).
- inaequalis** Pfeiffer, **Helicina (Lucidella)**, 1859. Proc. Zool. Soc. London, p. 28 (Jamaica; holotype, BMNH 1974.1).
- indecora** Pilsbry, **Lucidella pilsbryi**, 1930. Proc. Acad. Nat. Sci. Phila. 82: 243, pl. 17, fig. 5 (Little Swan Id.; [Caribbean Sea]; type, ANSP 150881).
- interrupta** Simpson, **Lucidella aureola** var., 1894. Proc. U.S. Nat. Mus. 17: 449 (Duncan's, Trelawney, Jamaica; type,

- USNM). NOTE: Probable synonym of *montegoensis* Brown, *vide*, H. B. Baker (1934).
- jeremiensis** Pilsbry, **Lucidella**, 1929. Proc. Acad. Nat. Sci. Phila. 28: 479, pl. 27, figs. 3-5 (near General's Cave, 1 mi W of Jérémie, Haiti, [Hispaniola]; holotype ANSP 118250a).
- kobelti** Wagner, **Lucidella**, 1910. [*in*] Martini and Chemnitz Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 350, pl. 69, figs. 12 and 13 (Jamaica; holotype, IZW 9097).
- lamellosa** Guppy, **Helicina** (**Perenna**), 1867. Ann. Mag. Nat. Hist. (3) 19: 260, pl. 10, fig. 4 (Trinidad; syntype, BMNH 1874.10.30.12). NOTE: synonym of *H. lirata* Pfeiffer 1847; monotype of *Perenna* Guppy 1859.
- lasellensis** Clench and Aguayo, **Lucidella** (**Poeniella**), 1937. Mem. Soc. Cubana Hist. Nat. 11 (2): 63, pl. 7, fig. 6 (La Visite, La Selle Range, Haiti, [Hispaniola]; holotype, MCZ 110626).
- leana** C. B. Adams, **Helicina**, 1845. Proc. Boston Soc. Nat. Hist. 2: 11 (Jamaica; type, lost, see Jacobson and Boss, 1973, p. 375). NOTE: C. B. Adams (1851) called this a synonym of *depressa* Gray.
- Lindsleya** Chitty, 1857. Proc. Zool. Soc. London, pp. 167 and 169 (type-species, *Stoastoma lindsleyanum* C. B. Adams, 1849, by virtual tautonymy). NOTE: H. B. Baker (1922: 54) found that the radula of the type-species was very close to *Lucidella lirata* Pfeiffer 1847. Hence, in spite of the *Stoastoma*-like shell, he placed the taxon tentatively as a subgenus of *Lucidella*. He also placed *Lucidella venezuelensis* H. B. Baker 1922, in this subgenus. However, Keen (1960) associated this genus, a synonym of *Fadyenia* Chitty 1857, with *Stoastoma* as did Boss (1972).
- lineata** C. B. Adams, **Helicina**, 1845. Proc. Boston Soc. Nat. Hist. 2: 12 (Jamaica; lectotype, MCZ 177223, designated and figured by Jacobson and Boss, 1973, p. 378, pl. 86, figs. 9-11).
- lirata** Pfeiffer, **Helicina**, 1847. Zeits. Malak. 4: 150 (Yucatan, México; type, destroyed); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2,

p. 341, pl. 68, figs. 5-7. NOTE: *lamellosa* Guppy 1867, *rusticella* Morelet 1849, *semistriata* Sowerby 1866, and *unidentata* Pfeiffer 1849 are synonyms.

**Lucidella** Swainson, 1840. Treatise on Malacology, p. 330 (type-species, *Helix (Helicodonta) aureola* Férussac 1822, by monotypy).

**manni** Clench and Aguayo, **Lucidella**, 1932. Proc. New England Zool. Club 13: 35 (Furcy, Haiti, [Hispaniola]; holotype, MCZ 23414); 1937, Mem. Soc. Cubana Nat. His. 11 (2): 63, pl. 7, fig. 8.

**midyetti** Richards, **Lucidella**, 1938. Proc. American Philos. Soc. 79: 175, pl. 3, figs. 3-4 (between Coxen Hole and French Harbor, Roatan Id., Honduras; holotype ANSP 170021).

**minor** "Pfeiffer" Brown, **Lucidella aureola**, 1913. Proc. Acad. Nat. Sci. Phila., p. 16, *nomen nudum*. NOTE: we were unable to find this reference in Pfeiffer.

**montegoensis** Brown, **Lucidella aureola**, 1913. Proc. Acad. Nat. Sci. Phila. 65: 21, pl. 1, figs. 22-26 (Orange Hill, Montego Bay, Jamaica; type, ANSP 104482a). NOTE: probable synonym of *interrupta* Simpson, 1894, *teste* H. B. Baker (1934).

**nana** Pfeiffer, **Lucidella**, 1857. Proc. Zool. Soc. London, p. 111 (Jamaica; syntypes, BMNH 1974.4); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 342, pl. 68, figs. 12 and 13. NOTE: *tridens* (Shuttleworth) Sowerby 1866 is a synonym; *trochiformis* Pilsbry 1899 is probably a synonym (Pilsbry and Brown 1911).

**paivana** Pfeiffer, **Helicina**, 1866. Malak. Blätt. 13: 89 (Platon, Haiti, Hispaniola; type, lost); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 346, pl. 69, figs. 1-2. NOTE: *cruciata* Weinland 1880 is a synonym, *teste* Wagner 1910.

**peasei** Pilsbry, **Lucidella (Poeniella)**, 1933. Proc. Acad. Nat. Sci. Phila. 85: 133, pl. 7, figs 8-8 a (Del Monte) Plantation, 5 or 6 mi W of Barahono, near Salvation, Santa Domingo, 3000 ft., [Hispaniola]; type, ANSP 160986).

- Perenna** Guppy, 1867. Ann. Mag. Nat. Hist. (3) 19: 260 (type-species, *Helicina lamellosa* Guppy 1867 [= *H. lirata* Pfeiffer 1847], by monotypy). NOTE: synonym of *Poenia* H. and A. Adams 1856.
- persculpta** Pilsbry and Brown, **Lucidella**, 1912. Proc. Acad. Nat. Sci. Phila. 63: 584, fig. 1 (Orange Hill and Rosemont Bay, Jamiaca; type, ANSP 104402). NOTE: Baker (1964) gives the type-number as 104415a.
- pilsbryi** Clapp, **Lucidella**, 1914. Nautilus 27: 97, pl. 6, figs. 5 and 6 (Swan Island; [Caribbean Sea]; type, MCZ 22890).
- plicatula** Pfeiffer, **Helicina**, 1849. Proc. Zool. Soc. London, p. 123 (Island of Martinique; syntypes, BMNH 1974.2); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 349, pl. 69, figs. 4-7.
- Poenia** H. and A. Adams, 1856. Genera of Recent Mollusca 2: 304 (type-species, *Helicina depressa* Gray 1825, subsequent designation, Pilsbry and Brown 1912). NOTE: H. B. Baker (1922) stated that the type-species was *Helicina unidentata* Pfeiffer 1849 [= *H. lirata* Pfeiffer 1847], following the designation by Fischer (1885). However, this designation is invalid because Fisher did not use the word "type." A correct designation was given by Pilsbry and Brown (1912).
- Poeniella** H. B. Baker, 1923. Occ. Pap. Mus. Zool., Univ. Michigan, no. 137, p. 23 (type-species, *H. plicatula christophori* Pilsbry 1897, original designation).
- Prosopis** Weinland, 1862. Malak. Blätt. 9: 198 (type-species, *Prosopis sulcata* Weinland, 1862, by monotypy), *non* Jurine 1801, *nec* Fabricius 1804 (Hymenoptera). NOTE: synonym of *Lucidella* Swainson 1840.
- rugosa** Pfeiffer, **Helicina**, 1839. Wiegmanns Arch. Naturgesch. 1 (5): 355 (Palenque and Pan de Matanzas, Cuba; type, destroyed); 1848 [*in*] Martini and Chemnitz, Conch.-Cab. (1) 1: sect. 18, pt. 1, p. 13, pl. 4, figs. 28-30).
- rusticella** Morelet, **Helicina**, 1849. Testacea novissima 1: 21 (Carmen Id., Yucatan [Mexico]; syntypes, BMNH 1893.2.4). NOTE: synonym of *lirata* Pfeiffer 1847.

- samana** Pilsbry, **Lucidella** (**Poeniella**), 1928. Proc. Acad. Nat. Sci. Phila. 80: 481, pl. 27, figs. 6-7 (1 mi NW of Sanchez, Samana Bay, Santo Domingo, [Hispaniola]; type, ANSP 146696).
- semistriata** Sowerby, **Helicina**, 1866. Thes. Conch. 3: 281, pl. 268 (3), fig. 86 (no locality given; type, destroyed, not in BMNH). NOTE: synonym of *lirata* Pfeiffer 1847.
- striatula** Potiez and Michaud, **Helicina**, 1838. Galérie des Mollusques, Museum de Douai 1: 231, pl. 23, figs. 13-14 (no locality given; type, not located), *non* Sowerby 1866.
- striatula** Sowerby, **Helicina**, 1842. Proc. Zool. Soc. London, p. 6 (no locality given); Thes. Conch., vol. 1, *Helicina*, p. 3, sp. 6, pl. 1, fig. 43 (Martinique; type BMNH 1974. 3), *non* Potiez and Michaud 1838.
- striatula** (Rang) Pfeiffer, **Helicina**, 1852. Monographia Pneumonopomorum Viventium, p. 340 (Martinique); "in sched. Cuming," *nomen nudum*. NOTE: is *plicatula* Pfeiffer 1849, *fide* Pfeiffer.
- sublaevis** H. B. Baker, **Lucidella adamsiana**, 1934. Nautilus 48: 9, pl. 2, fig. 4 (nr. Newleigh Hotel, E of Mandeville, S of Williamsfield-Mandeville Road, Jamaica; type, ANSP 162731).
- sulcata** Weinland, **Prosopis**, 1862. Malak. Blätt. 9: 198 (surroundings of Jérémie, Haiti, [Hispaniola]; type, not located).
- tantila** (Pilsbry) Vanatta, **Lucidella**, 1923. Nautilus 37: 69, error for *tantilla*.
- tantilla** Pilsbry, **Helicina**, 1902. Nautilus 16: 53 (Palm Beach, Florida) holotype, ANSP 77349; 1948. Land Mollusca of North America north of Mexico, Monograph 3, Acad. Nat. Sci. Phila. 2: 1085, fig. 580.
- tridens** (Shuttleworth) Sowerby, **Lucidella**, 1866. Thes. Conch., vol. 3, *Helicina*, p. 282, pl. 268 (3), figs. 90-91 (Jamaica; syntypes, BMNH). NOTE: synonym of *nana* Pfeiffer 1857, *teste* Wagner 1910.
- trochiformis** Pilsbry, **Lucidella**, 1899. Nautilus 13: 56 (Jamaica; type, ANSP 76441a). NOTE: probable synonym of *nana* Pfeiffer 1857, *teste* Pilsbry and Brown (1911).



- umbonata** Shuttleworth, **Helicina**, 1854. Mittheil. Naturforsch. Gesell. Bern, nos. 321, 322, p. 93 (Puerto Rico; syntypes, NMB 997); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 340, pl. 67, figs. 21-24.
- undulata** Pfeiffer, **Lucidella**, 1862. Malak. Blätt. 8: 171 (Jamaica; type, destroyed); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 338, pl. 67, figs. 16-18.
- unidentata** Pfeiffer, **Helicina**, 1849. Proc. Zool. Soc. London, p. 125 (Honduras; type, probably lost, not in BMNH). NOTE: synonym of *lirata* Pfeiffer 1847.
- Urichia** Guppy, 1895. Proc. Victoria Inst. Trinidad 2: 74 (type-species, *Helicina adamsiana* Pfeiffer 1848, subsequent designation H. B. Baker 1927). NOTE: synonym of *Lucidella* ss.
- valida** C. B. Adams, **Helicina depressa**, 1850. Ann. Lyc. Nat. Hist. New York 5: 52 (Jamaica; lectotype, MCZ 275687, Jacobson and Boss, 1973, Occ. Papers Moll. 3: 437, pl. 86, figs. 5 and 6).
- venezuelensis** H. B. Baker, **Lucidella (Lindsleya ?)**, 1922. Proc. Acad. Nat. Sci. Phila. 74: 54, *nomen nudum*; 1923, Occ. Pap. Mus. Zool., Univ. Michigan, no. 134, p. 21, pl. 4, fig. 17 (radula) (near Caño Minapam, Palma Sola, Venezuela; type, ANSP). NOTE: This species and the subgenus *Lindsleya*, with a shell very much like *Stoastoma*, were placed by Baker in *Lucidella* because of striking similarities in the radula with *Lucidella lirata* Pfeiffer.
- vinosa** Shuttleworth, **Helicina**, 1854. Mittheil. Naturforsch. Gesell. Bern, nos. 321, 322, p. 92 (near San Juan, Humacao, and Rio Blanco, Puerto Rico; type, not found in NMB); Wagner, 1910. [*in*] Martini and Chemnitz, Conch.-Cab. (2) 1: sect. 18, pt. 2, p. 348, pl. 69, figs. 10 and 11).
- wolffi** Boettger, **Helicina**, 1887. Jahrb. Malak. Gesell. 14: 102, pl. 4, fig. 9 (Miragoane, Haiti, Hispaniola; holotype, SMF 228074).

*yallahsensis* Pilsbry and Brown, *Lucidella* 1911. Proc. Acad. Nat. Sci. Phila. 63: 585, fig. 2 (Yallahs, Parish of St. Thomas, Jamaica; type, ANSP 10211).

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